



March 31, 2011

VIA FEDERAL EXPRESS

Mr. Christopher J. Kanakis
Mr. Joseph Karpa
New Jersey Department of Environmental Protection
P.O. Box 028
401 East State Street, 6th Floor
Trenton, New Jersey 08625-0028

**Re: Request for Modified Sediment Removal Limits
Interim Response Action Project
Diamond and Standard Chlorine Chemical Company Inc. Sites
Kearny, Hudson County, New Jersey**

Dear Mr. Kanakis and Mr. Karpa:

On behalf of the Peninsula Restoration Group (PRG), Key Environmental, Inc. (KEY) has prepared this correspondence to request concurrence from the New Jersey Department of Environmental Protection (NJDEP) for a minor revision of the near-shore river sediment removal limits on the subject project. The Final Interim Response Action Workplan (IRAW) specifies that sediments will be removed within 50 feet of the proposed barrier wall alignment and to a maximum depth of three (3) feet below the sediment surface or until the Meadowmat is encountered (if less than 3 feet). The 50 foot horizontal offset was established based upon the practical limitations of land-based excavation equipment in the context of an interim response action for the Sites.

The PRG's construction contractor, WRScompass (WRS) initiated sediment removal activities within the river on January 10, 2011. To date, roughly 80 percent of the sediment removal effort has been completed, and backfilling of the excavation area has commenced. WRS has utilized a long-reach excavator to execute these removal activities, and in general has been able to achieve a 50 foot reach, and to the required depth of excavation. However, a recent bathymetric survey has demonstrated that the pre-excavation grades are roughly two (2) feet lower than expected (likely due to natural scour), and as a result, in certain areas near the offshore limits of excavation the additional depth has made sediment removal efforts relatively ineffective with the long-reach excavator. WRS made significant efforts to remedy the situation, including retrofitting the excavator bucket with a field-fabricated extension; however, given the additional required depth of excavation which is generally below the water surface, these efforts have not enabled WRS to effectively remove sediments in these limited areas. Attached Figure 1 depicts the areas in question. The areas are approximately 2,500 square feet and represent four (4) percent of the overall area proposed for excavation in conjunction with implementation of the IRAW.

We believe that with the efforts made to date the intent of the sediment removal action has been honored, i.e., excavation of near-shore sediment to the practical limitation of commonly available construction equipment. As such, at this time the PRG is requesting NJDEP's

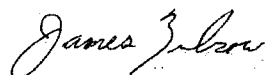
March 31, 2011

concurrence with a proposed revision of the IRAW-specified sediment removal limits, to account for the limited problematic areas that are beyond the practical and effective reach of the on-site excavation equipment.

In summary, this correspondence was prepared to request NJDEP's concurrence with the proposed modification of the sediment excavation limits. We look forward to NJDEP's review and concurrence with this request. Please feel free to contact Mr. Alan Briggs or me at (412) 279-3363 at your earliest convenience with any questions or comments.

Sincerely,

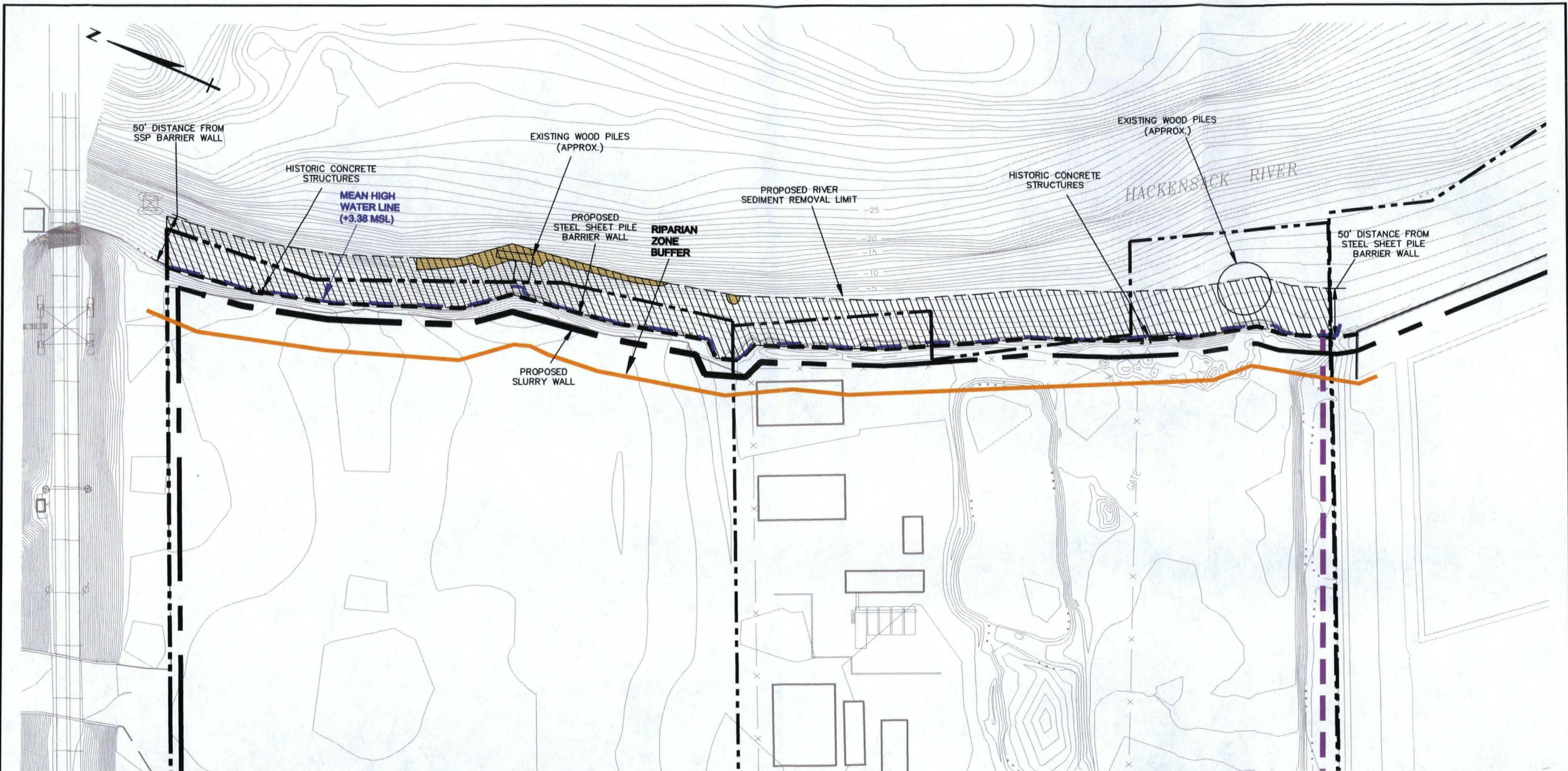
Key Environmental, Inc.



James S. Zubrow, P.G.
Principal Hydrogeologist

cc: M. W. Kelly
E. Castro
M. Brouman
M. Slenska
G. Coscia
A. Hess
~~K. Staiger~~
M. Martello

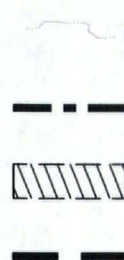
y:\000\kerny\ro design\production drawings\figure 1 sediment management plan.dwg, Last Saved By: Sonner, 3/25/2011 3:25 PM Plotted By: Shelly Comer, 3/25/2011 3:34 PM Scale: 1:1



LEGEND



PROPERTY BOUNDARY
EXISTING ACCESS ROAD
EXISTING NEW JERSEY TRANSIT RAILROAD (ACTIVE)
EXISTING FENCE
EXISTING STRUCTURES
EXISTING GROUND SURFACE ELEVATION CONTOURS



EXISTING STREAM, POND AND RIVER BANK
PROPOSED SLURRY WALL LOCATION
REMOVAL AREA OF RIVER SEDIMENTS
PROPOSED STEEL SHEET PILE WALL LOCATION

3.38 — RIPARIAN ZONE BUFFER (50 FEET LANDWARD FROM MHW)
— MEAN HIGH WATER (MHW)
TARGETED SEDIMENT REMOVAL AREA TO REMAIN IN PLACE

0 100 200 FEET

NOTES:

- TIDAL ELEVATION DATA CALCULATIONS WERE PROVIDED BY GEOD CORPORATION DERIVED BY UTILIZING INFORMATION FOR TIDAL STATIONS 853-0696 AND 853-0772 USING THE 1983-2001 TIDAL EPOCH AND ARE REFERENCED TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 1929).
- SIGNIFICANT PORTIONS OF THE SITE ARE LOCATED WITHIN THE 100-YEAR FLOOD PLAIN (SEE FEMA MAPS IN LURP APPLICATION FOR LOCATION OF FLOOD HAZARD ELEVATION). THE FLOOD HAZARD ELEVATION IS + 9FT MSL.

REFERENCE:

- EXISTING GROUND SURFACE CONTOURS PER AIR SURVEY, DULLES, VIRGINIA, APRIL 14, 2001. HORIZONTAL REFERENCE: NEW JERSEY STATE PLANE COORDINATES (NAD 1927). VERTICAL REFERENCE: NATIONAL GEODETIC VERTICAL DATUM (NGVD 1929).
- PROPERTY BOUNDARY SHOWN HEREON FROM SHEET 1 OF 1 TITLED "SURVEY OF PROPERTY, TAX LOTS 32.02, 46, 47 & 47R, BLOCK 287, TAX LOTS 48, 49, 50, 51, 52 AND 52R, BLOCK 287, TOWN OF KEARNY, HUDSON COUNTY, NEW JERSEY," DATED JULY 1, 2009 (REVISION 2: JULY 29, 2009), PREPARED BY DYKSTRA ASSOCIATES, PC.

ISSUE DATE:

KEY ENVIRONMENTAL, INC.
200 THIRD AVENUE
CARNEGIE, PA 15106

PENINSULA RESTORATION GROUP

DRWN: SCC DATE: 03/25/11
CHKD: AEB DATE: 03/25/11
APPD: AEB DATE: 03/25/11
SCALE: AS SHOWN

KEY ENVIRONMENTAL
INCORPORATED

INTERIM RESPONSE ACTION DESIGN
SCCC AND DIAMOND SITES
KEARNY, NEW JERSEY

SEDIMENT MANAGEMENT PLAN

PROJECT NO: 09-803/804

FIGURE 1

REV #	DATE	DESCRIPTION	APPD